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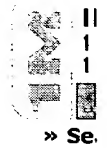
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<u>L3</u>	(boundar\$3 same (orient\$6 or direction)) same (line or edge) same (four side or rectangle or rectangular\$5)	1142	<u>L3</u>
<u>L4</u>	L3 same imag\$3	189	<u>L4</u>
<u>L5</u>	L4 same (angle or angular)	34	<u>L5</u>
<u>L6</u>	(locat\$3 or find\$3 or search\$3) with line with (rectangular or rectangle)	2870	<u>L6</u>
<u>L7</u>	L6 same image	275	<u>L7</u>
<u>L8</u>	L7 same four sides	2	<u>L8</u>
<u>L9</u>	image with boundar\$3 with (orientation or direction)	1474	<u>L9</u>
<u>L10</u>	L9 same (recatangle or rectangular\$4)	47	<u>L10</u>
<u>L11</u>	L10 same (line or edge)	19	<u>L11</u>
<u>L12</u>	(primary near2 angle) same (secondary near2 angle)	294	<u>L12</u>
<u>L13</u>	L12 same boundar\$3	3	<u>L13</u>

<u>L14</u>	L12 same (rectangular or rectangle)	2	<u>L14</u>
<u>L15</u>	(finding or find or finding or finder or locating or locater or locator or search\$3) near5 (rectangular or rectangle)	1794	<u>L15</u>
<u>L16</u>	L15 same image	319	<u>L16</u>
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☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 Active vision using an analog VLSI model of selective attention***Indiveri, G.; Murer, R.; Kramer, J.;*

Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactions on [see also Circuits and Systems II: Express Briefs, IEEE Transactions on] , Vol 48 , Issue: 5 , May 2001

Pages:492 - 500

[\[Abstract\]](#) [\[PDF Full-Text \(196 KB\)\]](#) IEEE JNL
2 Three-dimensional inspection of ball grid array using laser vision system*Pyunghyun Kim; Sehun Rhee;*

Electronics Packaging Manufacturing, IEEE Transactions on [see also Component Packaging and Manufacturing Technology, Part C: Manufacturing, IEEE Transactions on] , Volume: 22 , Issue: 2 , April 1999

Pages:151 - 155

[\[Abstract\]](#) [\[PDF Full-Text \(152 KB\)\]](#) IEEE JNL
3 A tree-matching chip*Krishna, V.; Ranganathan, N.; Ejnoui, A.;*

Very Large Scale Integration (VLSI) Systems, IEEE Transactions on , Volume: 7 , Issue: 2 , June 1999

Pages:277 - 280

[\[Abstract\]](#) [\[PDF Full-Text \(128 KB\)\]](#) IEEE JNL
4 The graph search machine (GSM): A programmable processor for connected word speech recognition and other applications*Glinski, S.; Lalumia, T.; Cassidy, D.; Taiho Koh; Gerveshi, C.; Wilson, G.; Kim, J.;*

Acoustics, Speech, and Signal Processing, IEEE International Conference on
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Pages:519 - 522

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5 In-situ reliability analysis of solder joint by digital image correlation
Pang, J.H.L.; Zhang, X.K.; Liu, Q.J.; Che, F.X.; Low, T.H.; Shi, X.Q.; Wang, Z
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6 Conjunction search using a 1-D, analog VLSI-based, attentional search/tracking chip
Horiuchi, T.; Niebur, E.;
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7 Thermal resistance degradation of alloy die attached power devices during thermal cycling
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1 Analysis of Surface Mount Thermal and Thermal Stress Performance

Waller, D.; Fox, L.; Hannemann, R.;

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2 Thermal Characterization of Plastic and Ceramic Surface-Mount Components

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Yamada, S.;

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5 Solderability Degradation Models for Fusible Tin Alloy Coatings on Copper Substrates

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6 Analytical models for exterior-type permanent magnet synchronous motors

Rahman, M.;

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Li, G.Y.; Chen, B.L.;

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8 Heat transfer analysis and simplified thermal resistance modeling of linear motor driven stages for SMT applications

Chanhgsoo Jang; Jong Young Kim; Yung Joon Kim; Jae Ok Kim;

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9 Thermal management of BioMEMS: temperature control for ceramic based PCR and DNA detection devices

Sadler, D.J.; Changrani, R.; Roberts, P.; Chia-Fu Chou; Zenhausern, F.;

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10 Analytical model for permanent magnet motors with surface mounted magnets

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11 Optimizing the operation sequence of a chip placement machine using TSP model

Kumar, R.; Zhonghui Luo;

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12 Lumped-circuit model extraction for vias in multilayer substrates

Jun Fan; Drewniak, J.L.; Knighten, J.L.;

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13 Optimization of electromagnetic absorption in laminated composite plates

Matous, K.; Dvorak, G.J.;

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Jun 20, 2000

DOCUMENT-IDENTIFIER: US 6078700 A

TITLE: Method and apparatus for location and inspecting a two-dimensional image including co-linear features

Brief Summary Text (12):

The grouping technique for searching for correspondence between model features and image features involves using a small, selected subset of image features. The image features selected for determining correspondence with model features are ones that are most likely to belong to a subset of a set of features comprising the model. For example, a vision system might be implemented in an application wherein it is desirable to find a particular rectangular object in the scene or image, e.g. a microchip. Although the captured image contains many objects, grouping could be applied by having the vision system select all groups of line segments from the image, and more particularly all groups of line segments that are at right angles to each other. The subsets or smaller groups of features, e.g. line segments at right angles to each other, would then be used to match to the chip model, rather than using the entire set of line segments.